

## List of Figures

Figure 1-1: DII COE and COE-Based Systems .....	1-8
Figure 2-1: DII COE Services.....	2-5
Figure 2-2: DII COE Architecture .....	2-8
Figure 2-3: SHADE Data Architecture .....	2-14
Figure 2-4: Configuration Definitions .....	2-17
Figure 2-5: DII Compliance Categories and Levels .....	2-21
Figure 2-6: Account Groups, Profiles, and Users.....	2-34
Figure 2-7: DII Notional LAN Architecture.....	2-38
Figure 2-8: Installing a COE-Based System.....	2-41
Figure 3-1: Development Process Overview .....	3-7
Figure 4-1: Shared Data Server Architecture .....	4-2
Figure 4-2: Business Rules and Constraints.....	4-11
Figure 4-3: Session Management.....	4-13
Figure 4-4: Functional Context.....	4-14
Figure 4-5: Grant Association Process .....	4-16
Figure 4-6: Data Allocation.....	4-23
Figure 4-7: Legacy Views.....	4-28
Figure 5-1: DII COE Directory Structure .....	5-11
Figure 5-2: Segment Directory Structure.....	5-15
Figure 5-3: Operator Directory Structure.....	5-17
Figure 5-4: Applications Server .....	5-19
Figure 5-5: COTS Directory Structure .....	5-26
Figure 5-6: Example COTS Segment Structure.....	5-27
Figure 5-7: Example Account Group Directory Structure .....	5-29
Figure 5-8: Data Directory Structure .....	5-35
Figure 5-9: Example Data Segment Structure .....	5-37
Figure 5-10: Database Segment Structure .....	5-40
Figure 5-11: Example Patch Directory Structure .....	5-42
Figure 5-12: Example Installed Patch .....	5-43
Figure 5-13: COE-Component Segments Directory Structure.....	5-47
Figure 5-14: MakeInstall Flowchart.....	5-97
Figure 5-15: Installation Flowchart.....	5-100
Figure 5-16: PostInstall Logic for DB Install .....	5-101
Figure 5-17: Install Scripts Logic .....	5-104
Figure 5-18: Inter-Database Dependencies .....	5-114
Figure 6-1: Remote Execution with Window Server Port .....	6-5
Figure 6-2: WinDD Approach .....	6-7
Figure 6-3: Native Execution .....	6-11
Figure 8-1: COE Directory Structure for DCE Segments .....	8-10
Figure 8-2: CDS Layout for the DII COE.....	8-11
Figure 8-3: Access to Servers in Local and Foreign Cells.....	8-18
Figure 9-1: Example Development Directory Structure .....	9-6

## **List of Tables**

<b>Table 2-1: Compliance and Interoperability Levels.....</b>	<b>2-30</b>
<b>Table 4-1: Definition Script Arguments.....</b>	<b>4-25</b>
<b>Table 5-1: Reserved Segment Prefixes.....</b>	<b>5-21</b>
<b>Table 5-2: COE-Related Environment Variables .....</b>	<b>5-23</b>
<b>Table 5-3: Platform and Operating System Constants .....</b>	<b>5-24</b>
<b>Table 5-4: Segment Descriptor Files.....</b>	<b>5-51</b>
<b>Table 5-5: SegInfo Segment Descriptor Sections .....</b>	<b>5-51</b>
<b>Table 5-6: Application Database Creation.....</b>	<b>5-102</b>
<b>Table 5-7: Application Database Deinstall .....</b>	<b>5-105</b>
<b>Table 8-1: dcld Configuration Information.....</b>	<b>8-20</b>
<b>Table A-1: Supported Unix Configurations .....</b>	<b>A-2</b>
<b>Table A-2: Supported NT Configurations.....</b>	<b>A-4</b>
<b>Table C-1: COE Runtime Tools .....</b>	<b>C-5</b>
<b>Table C-2: COE Developer Tools .....</b>	<b>C-6</b>
<b>Table F-1: Oracle RDBMS Server Configuration .....</b>	<b>F-2</b>
<b>Table F-2: Oracle RDBMS Client Configuration .....</b>	<b>F-4</b>
<b>Table F-3: DBMS Data Types .....</b>	<b>F-23</b>
<b>Table G-1: DCE-Related COTS Products.....</b>	<b>G-5</b>